

Figure 1: Structure of (dihydroxy)polydimethylsiloxane (PDMS)

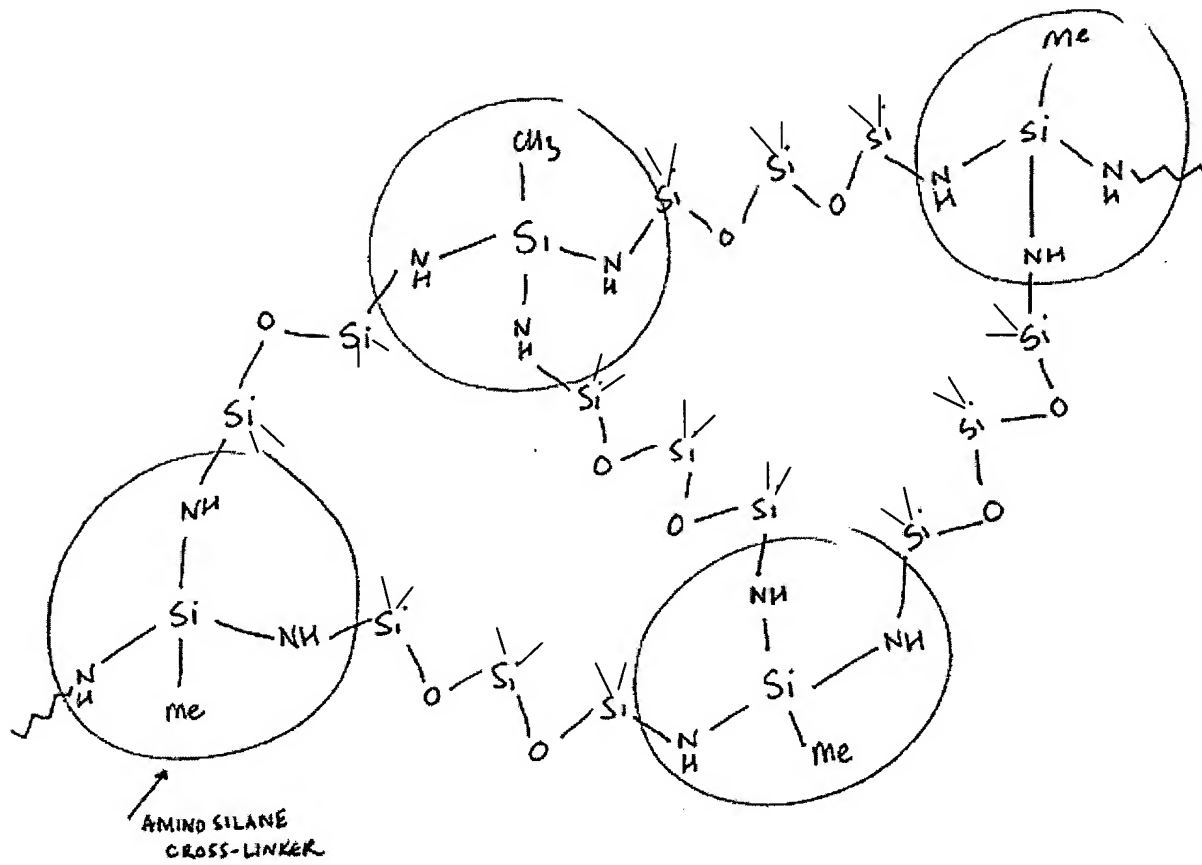


Figure 2: An exemplary structure of the cross-linked polymers disclosed by the Feder patent

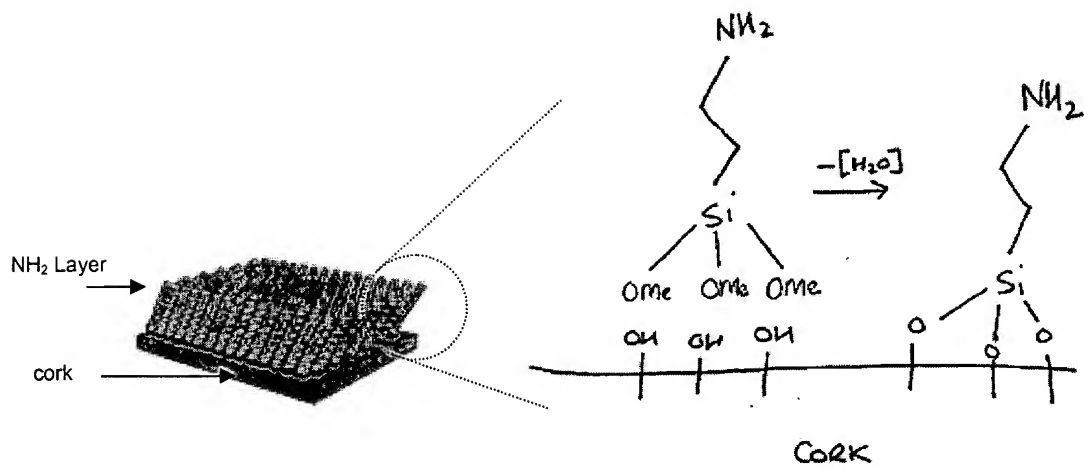
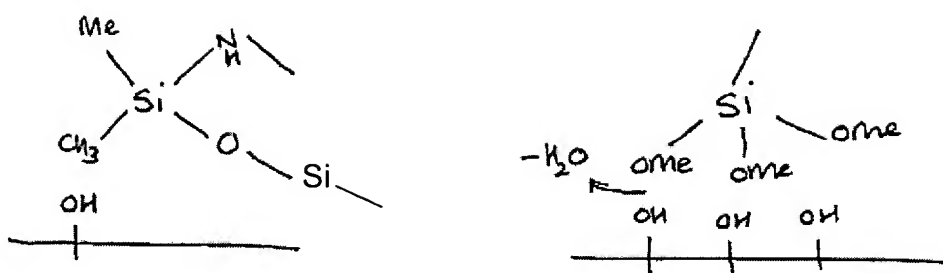


Figure 3: Monolayer of polymers as disclosed and claimed by the present invention



*Figure 4: The difference between the functional groups described by Feder (left-hand diagram) and the functional groups disclosed in the present application (right-hand diagram)*